

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : **2000-049629**

(43)Date of publication of application : **18.02.2000**

(51)Int.Cl.

**H04B 1/04**

(21)Application number : **10-210856**

(71)Applicant : **NEC CORP**

(22)Date of filing : **27.07.1998**

(72)Inventor : **ICHIHARA MASAKI**

## (54) TRANSMISSION POWER CONTROL CIRCUIT

(57)Abstract:

**PROBLEM TO BE SOLVED:** To prevent transmission power from becoming excessive in a mobile communication terminal to which precise transmission power control is required.

**SOLUTION:** A branching filter 11, a detection circuit 12 and a smoothing circuit 18 generate detection voltage corresponding to the average transmission power of a mobile communication terminal. A threshold setting circuit 14 generates threshold voltage corresponding to permitted maximum average transmission power. A voltage comparator 15 compares detection voltage with threshold voltage and judges whether average transmission power is larger than or smaller than maximum average transmission power. A control circuit 16 changes control voltage so that the gain of a variable gain amplifier 4 is reduced when the voltage comparator 15 judges that average transmission power is larger than maximum

average transmission power.

